

IFW

03500.103410.

PATENT APPLICATION



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

AKIRA UNNO, et al.

Application No.: 10/532,078

Intl. Filing Date: October 8, 2004

371(c) Date: April 21, 2005

For: ORGANIC SEMICONDUCTOR
DEVICE, PROCESS FOR
PRODUCING THE SAME, AND
ORGANIC SEMICONDUCTOR
APPARATUS

Examiner: Matthew W. Such

Group Art Unit: 2891

January 9, 2007

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Sir:

In compliance with the duty of disclosure under 37 C.F.R. § 1.56 and in accordance with the practice under 37 C.F.R. §§ 1.97 and 1.98, the Examiner's attention is directed to the documents listed on the enclosed Form PTO-1449. Copies of the listed documents, other than the U.S. patent documents, are enclosed. Also enclosed is an English-language abstract for each of the listed Japanese documents.

The following documents were cited in the International Search Report and/or Written Opinion which issued in the corresponding international application:

Japan 2004-165427; Europe 1 385 220; Japan 2004-55654; Europe 1 006 152;

Japan 2000-256527; U.S. Patent No. 6,252,002; the M. Yoshida article; U.S. Patent No.

5,500,537; and Japan 3-255669. A copy of the International Search Report and a copy of the Written Opinion are enclosed.

The following documents are discussed at the following pages of the specification:

<u>Documents</u>	<u>Page(s)</u>
A. R. Brown, et al., Synthetic Metals, Vol. 68, 1994	3
Japan 7-206599	3
Y.-Y. Lin, et al., IEEE Electron Device Letters, Vol. 18, No. 12, December 1997.	3
Japan 2001-94107	4
U.S. 6,433,359	4
M. Yoshida, et al., Synthetic Metals, Vol. 137, 2003	4
WO 03/041185	5

U.S. Patent Nos. 5,546,889, 5,556,706, and 5,912,473 are believed to be in the same patent family as Japan 7-206599; U.S. Publication No. 2004/0012018 and Europe 1 385 220 are believed to be in the same patent family as Japan 2004-55654; U.S. Patent No. 6,252,002 and Europe 1 006 152 are believed to be in the same patent family as Japan 2000-256527; and U.S. Patent No. 5,500,537 is believed to be in the same patent family as Japan 3-255669.

This Information Disclosure Statement is being filed before the issuance of a first Office Action on the merits. Therefore, no fee under 37 C.F.R. § 1.97(c)(2) is believed due. Nevertheless, the Commissioner may charge Deposit Account No. 06-1205, should any fee be due for filing this paper.

Applicants request that the above information be considered by the Examiner and that a copy of the enclosed Form PTO-1449 be initialed and returned indicating that such information has been considered.

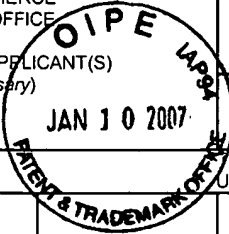
Applicants' undersigned attorney may be reached in our Costa Mesa, California office at (714) 540-8700. All correspondence should continue to be directed to our below-listed address.

Respectfully submitted,



Damond E. Vadnais
Attorney for Applicants
Registration No.: 52,310

FITZPATRICK, CELLA, HARPER & SCINTO
30 Rockefeller Plaza
New York, New York 10112-3800
Facsimile: (212) 218-2200

FORM PTO 1449 (modified) U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE LIST OF REFERENCES CITED BY APPLICANT(S) (Use several sheets if necessary)				ATTY DOCKET NO. 03500.103410.		APPLICATION NO. 10/532,078	
				APPLICANT AKIRA UNNO, et al.			
				371(c) DATE: April 21, 2005		GROUP 2891	
U.S. PATENT DOCUMENTS							
*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
		7,008,701	03/07/06	Notsu, et al.	428	641	
		6,828,214	12/07/04	Notsu, et al.	438	455	
		6,783,588	08/31/04	Aoto, et al.	117	4	
		6,639,327	10/28/03	Momoi, et al.	257	913	
		6,613,678	09/02/03	Sakaguchi, et al.	438	695	
		6,593,211	07/15/03	Sato	438	455	
		6,569,748	05/27/03	Sakaguchi, et al.	438	455	
		6,506,665	01/14/03	Sato	438	458	
FOREIGN PATENT DOCUMENTS							
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES/NO/ OR ABSTRACT
		1 385 220	01/28/04	Europe			
		1 006 152	06/07/00	Europe			
		2004-165427	06/10/04	Japan			Abstract
		2004-55654	02/19/04	Japan			Abstract
		2001-94107	04/06/01	Japan			Abstract
		2000-256527	09/19/00	Japan			Abstract
		7-206599	08/08/95	Japan			Abstract
		3-255669	11/14/91	Japan			Abstract
		03/041185	05/15/03	PCT/WO			
OTHER DOCUMENT(S) (Including Author, Title, Date, Pertinent Pages, Etc.)							
		A. R. Brown, et al., "A universal relation between conductivity and field-effect mobility in doped amorphous organic semiconductors", Synthetic Metals, Vol. 68, 1994, pp. 65-70.					
		Y.-Y. Lin, et al., "Stacked Pentacene Layer Organic Thin-Film Transistors with Improved Characteristics", IEEE Electron Device Letters, Vol. 18, No. 12, December 1997, pp. 606-608.					
		M. Yoshida, et al., "Surface Potential Control of an Insulator Layer for the High Performance Organic FET", Synthetic Metals, Vol. 137, 2003, pp. 967-968.					
EXAMINER				DATE CONSIDERED			

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Sheet 1 of 3

FORM PTO 1449 (modified) U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE LIST OF REFERENCES CITED BY APPLICANT(S) (Use several sheets if necessary)				ATTY DOCKET NO. 03500.103410.		APPLICATION NO. 10/532,078	
				APPLICANT AKIRA UNNO, et al.			
				371(c) DATE April 21, 2005		GROUP 2891	
U.S. PATENT DOCUMENTS							
*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
		6,433,359	08/13/02	Kelley, et al.	257	40	
		6,413,874	07/02/02	Sato	438	714	
		6,407,367	06/18/02	Ito, et al.	219	390	
		6,375,738	04/23/02	Sato	117	89	
		6,335,269	01/01/02	Sato	438	509	
		6,252,002	06/26/01	Yamada, et al.	525	228	
		6,221,738	04/24/01	Sakaguchi, et al.	438	455	
		6,171,982	01/09/01	Sato	438	795	
		6,143,629	11/07/00	Sato	438	455	
		6,143,628	11/07/00	Sato, et al.	438	455	
		6,106,613	08/22/00	Sato, et al.	117	54	
		5,970,361	10/19/99	Kumomi, et al.	438	409	
		5,912,473	06/15/99	Wakita, et al.	257	40	
		5,556,706	09/17/96	Wakita, et al.	438	421	
		5,546,889	08/20/96	Wakita, et al.	117	84	
		5,500,537	03/19/96	Tsumura, et al.	257	40	
FOREIGN PATENT DOCUMENTS							
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES/NO/ OR ABSTRACT
OTHER DOCUMENT(S) (Including Author, Title, Date, Pertinent Pages, Etc.)							
EXAMINER				DATE CONSIDERED			

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

